# Copy for the Elected Office (EO/US) PARENT COOPERATION TREATY

	From the INTERNATIONAL BUREAU
PCT	To: 5 30 -
NOTIFICATION OF THE RECORDING OF A CHANGE  (PCT Rule 92bis.1 and Administrative Instructions, Section 422)	From the INTERNATIONAL BUREAU  To:  KOLSTER OY AB Iso Roobertinkatu 23 P.O. Box 148 FIN-00121 Helsinki FINI ANDF
	FINLANDE
Date of mailing (day/month/year) 14 December 2000 (14.12.00)	
Applicant's or agent's file reference 2980171PC/nu	IMPORTANT NOTIFICATION
International application No. PCT/F199/00425	International filing date (day/month/year) 17 May 1999 (17.05.99)
1. The following indications appeared on record concerning:       X     the applicant       X     the inventor	the agent the common representative
Name and Address  KIRJAVAINEN, Kari Kivenlahdenkatu 11 A 4	State of Nationality State of Residence  FI FI
FIN-02320 Espoo Finland	Telephone No.
	Facsimile No.
	Teleprinter No.
2. The International Bureau hereby notifies the applicant that t the person the name X the add	
Name and Address	State of Nationality State of Residence
KIRJAVAINEN, Kari Palomäentie 14 B 13 FIN-33230 Tampere	FI FI Telephone No.
Finland	Facsimile No.
	Teleprinter No.
3. Further observations, if necessary:	<del></del>
4. A copy of this notification has been sent to:	
X the receiving Office	the designated Offices concerned
the International Searching Authority	X the elected Offices concerned
the International Preliminary Examining Authority	other:
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  C. Cupello
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

03/16/10/158

## PAINT COOPERATION TREATY

**PCT** 

## NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and Administrative Instructions, Section 422)

Date of mailing (day/month/year)

Applicant's or agent's file reference

**HUL 1 PCT** 

18 October 2000 (18.10.00)

From th	ne INTERNATIONAL BU	IREAU
To:		
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	erenkatu 3	
	00180 Helsinki	<b>∠</b> ^
FINL	ANDE	
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	IMPORTANT NOTIF	FICATION
Internatio	nal filing date (day/month/ye	ar)
06 A	pril 1999 (06.04.99)	
the agen	the commo	n representative
	State of Nationality	State of Residence
	Fl	FI
	Telephone No.	

International application No. PCT/FI99/00288	!	nal filing date ( pril 1999 (06	•	ar) 'O <sub>1,1</sub>
The following indications appeared on record concerning:      X the applicant the inventor	the agen			n representative
Name and Address  HELSINKI UNIVERSITY LICENSING LTD. OY Koetilantie 3 FIN-00710 Helsinki Finland		State of Nation	·	FI
T Time To		Facsimile No.		
		Teleprinter N	o.	
The International Bureau hereby notifies the applicant that the the person	-	the nation	ality	the residence
Name and Address  HELSINKI UNIVERSITY LICENSING LTD. OY Viikinkaari 6		State of Natio	,	State of Residence FI
FIN-00710 Helsinki Finland		Telephone No		
	i	Facsimile No.		
		Teleprinter N	o.	
3. Further observations, if necessary:				
4. A copy of this notification has been sent to:				
X the receiving Office		=	nated Offices o	
the International Searching Authority the International Preliminary Examining Authority	[	other:	d Offices cond	erned

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Aino Metcalfe

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35



To:

From the INTERNATIONAL BUREAU
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#### **PCT**

#### **NOTIFICATION OF ELECTION**

(PCT Rule 61.2)

Assistant Commissioner for Patents United States Patent and Trademark Office

Box PCT

**HUL 1 PCT** 

Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE

Applicant's or agent's file reference

Date of mailing (day/month/year)	
16 December 1999 (16.12.99)	in its capacity as elected Offic

International application No.
PCT/FI99/00288

 International filing date (day/month/year)
 Priority date (day/month/year)

 06 April 1999 (06.04.99)
 03 April 1998 (03.04.98)

**Applicant** 

RÄSÄNEN, Markku et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	26 October 1999 (26.10.99)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Jean-Marie McAdams

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

## PATENT COOPERATION TREA **PCT**

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference HUL 1 PCT	FOR FURTHER ACTIO	ON See Notif Preliminary	ication of Transmittal of International Examination Report (Form PCT/IPEA/416)	
International application No.	International filing date (da	y/month/year)	Priority date (day/month/year)	
PCT/F199/00288	06.04.1999		03.04.1998	
International Patent Classification (IPC) o	<del></del>	IPC7		
G 01 N 21/67		,		
			<i>.</i> -	
Applicant				
Helsinki University L	icensing Itd O	v et al		
Hersinki University E	icensing ite o	y et ai		
<ol> <li>This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</li> <li>This REPORT consists of a total of 4 sheets, including this cover sheet.</li> </ol>				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a total of	of sheets.			
This report contains indications re	elating to the following items	:		
I Basis of the report	I Basis of the report			
II Priority				
III Non-establishment o	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
IV Lack of unity of inve	IV Lack of unity of invention			
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			entive step or industrial applicability; citations	
VI Certain documents c	ited			
VII Certain defects in the	e international application			
VIII Certain observations	on the international applicat	ion	·	
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Date of submission of the demand		Date of completion	of this report	
		·	-	
26.10.1999	1	6.06.2000		
Name and mailing address of the IPEA/S	1	uthorized officer		
Patent- och registreringsverket Box 5055	Telex 17978			
S-102 42 STOCKHOLM	PATOREG-S N	loa Grönkv		
Form PCT/IPE A/409 (cover sheet) (Janua		elephone No. 08-	782 25 00	

ernational application No.

PCT/FI99/00288

I. Basis of the report			
1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):			
$\boxtimes$	the international	application as originally file	xi.
	the description,	pages	, as originally filed,
		pages	, filed with the demand,
		pages	, filed with the letter of,
			, filed with the letter of
	the claims,	Nos.	, as originally filed,
		Nos.	, as amended under Article 19,
		Nos	, filed with the demand,
		Nos.	, filed with the letter of,
		Nos.	, filed with the letter of
	the drawings,	sheets/fig	, as originally filed,
		sheets/fig	
		sheets/fig	
		sheets/fig	
	the description, the claims, the drawings,	Nos.  sheets/fig	amendments had not been made, since they have been considered to go
3. beyo	and the disclosure	as filed, as indicated in the su	upplemental Box (Rule 70.2(c)).
4. Additional	observations, if ne	ecessary:	

ernational application No.
PCT/F199/00288

V. Resoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

#### 1. Statement

Novelty (N)	Claims Claims	2-3,5-9,11-13,15-30 1.4.10.14	YES NO
Inventive step (IS)	Claims Claims	5.12.13 1-4.6-11.14-30	YES NO
Industrial applicability (IA)	Claims Claims	1-30	YES NO

#### 2. Citations and explanations

The claimed invention relates to a method and an apparatus determining the concentration of gas components in a closed space with at least one transparent, dielectric wall. An alternating high voltage is applied to the spacing and emitted light is collected.

The following documents are cited in the International Search Report:

D1: WO 9625658 D2: US 5198773 D3: US 5168323

Cited document D1 relates to a method and a device for determining the pressure of gases, especially in electric lamps. A high-frequency generator applies a high voltage over the spacing and at least one gas of interest is measured selectively. Two spectral lines are measured and a ratio is formed, from which the pressure of a gas is determined.

D2 relates to a method for determining the gas content of a glass window unit. A voltage is applied over the unit with plate electrodes.

The subject matter claimed in claims 1 and 10 does not differ from D1. Thus, the independent claims 1 and 10 are not novel.

The subject matter claimed in claim 11 differs from D1 in that the spacing is a gas-filled window glazing unit. It is considered to be obvious to a person skilled in the art to use the measuring method in D1 on window units in view of D1 and D2. Therefore, Claim 11 is not considered to involve an inventive step in view of D1 and D2. For the same reasons, claims 2 and 3 are not considered to involve an inventive step. .../...

ernational application No.

PCT/fi99/00288

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V.

The subject matter claimed in claims 4 and 14 does not differ from D1. The subject matter claimed in claims 6-9 and 15-30 concern different technical solutions for collecting and transporting the emitted light. These claims are not considered to involve an inventive step in view of D1 and D2.

The independent claims 5 and 12 differ from D1 and D2 in that an elongated electrode is used to apply the high voltage over the spacing. Independent claim 13 differs from D1 and D2 in that the means for applying the high voltage comprises a conductive layer. The invention claimed in claims 5, 12 and 13 is considered to differ significantly from D1 and D2 and thus involves an inventive step.

According to the arguments stated above, the invention claimed in claims 1, 4, 10 and 14 is not novel and is not considered to involve an inventive step. The invention claimed in claims 2-3, 6-9, 11 and 15-30 is novel but not considered to involve an inventive step. The invention claimed in claims 5, 12 and 13 is novel and is considered to involve an inventive step.

## PATENT COOPERATION TREATY

## **PCT**

REC'D 29 JUN 2000

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference	EOD EUDENIED AG	See Not	tification of Transmittal of International
HUL 1 PCT	FOR FURTHER AC		ry Examination Report (Form PCT/IPEA/416)
International application No.	International filing date	e (day/month/year)	Priority date (day/month/year)
PCT/FI99/00288	06.04.1999		03.04.1998
International Patent Classification (IPC) of	r national classification	and IPC7	
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Applicant			
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This international preliminary example Authority and is transmitted to the     This REPORT consists of a total of	e applicant according to	Article 36.	
2. This REPORT consists of a total of 4 sheets, including this cover sheet.  This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
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3. This report contains indications relating to the following items:			
1 Basis of the report			
II Priority			
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents cite	ed		
VII Certain defects in the i	nternational application		
	n the international appli	•	
Date of submission of the demand		Date of completion	of this report
26.10.1999		16.06.2000	
Name and mailing address of the IPEA/SE		Authorized officer	
Patent- och registreringsverket Box 5055	Telex 17978		
S-102 42 STOCKHOLM	PATOREG-S	Moa Grönkv	
Form PCT/IPF A/409 (cover short) (January		Telephone No. 08-	782 25 00

Form PCT/IPEA/409 (cover sheet) (January 1994)

International application No.

PCT/FI99/00288

I. Basis of the report				
	1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):			
the internationa	al application as originally file	ed.		
the description,	, pages	, as originally filed,		
		, filed with the demand,		
		, filed with the letter of,		
	pages	, filed with the letter of		
the claims,	Nos.	_ , as originally filed,		
		_ , as amended under Article 19,		
		, filed with the demand,		
	Nos.	, filed with the letter of,		
	Nos.	, filed with the letter of		
the drawings,	sheets/fig	_ , as originally filed,		
	sheets/fig			
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	sheets/fig			
2. The amendments have resulted the description, the claims, the drawings,		- - -		
This report has been e beyond the disclosure	established as if (some of) the eas filed, as indicated in the s	e amendments had not been made, since they have been considered to go supplemental Box (Rule 70.2(c)).		
4. Additional observations, if no	ecessary:			
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International application No. PCT/FI99/00288

V. Resoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N) Claims YES <del>2-3,5-9,11-13,15-30</del> Claims NO 1.4.10.14 Inventive step (IS) Claims YES 5,12,13 Claims 1-4.6-11.14-30 Claims Industrial applicability (IA) YES 1-30 Claims NO

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International application No.

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